

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in this application:

- 1 1. (Previously presented) A method of creating a graphical human-machine interface,
2 comprising the steps of:
 - 3 (a) providing a computer using a first operating system;
 - 4 (b) providing a handheld portable computing device in communication with the
5 computer, the handheld portable computing device using a second operating
6 system that is less capable than the first operating system;
 - 7 (c) generating on the computer an interactive control software object that
8 provides an interactive graphical human-machine interface when operating on
9 the handheld portable computing device to allow control of at least one
10 parameter of a process by use of the handheld portable computing device;
 - 11 (d) simulating on the computer the operation of the interactive control software
12 object on the handheld portable computing device; and
 - 13 (e) transferring the interactive control software object from the computer to the
14 handheld portable computing device.
- 1 2. (Canceled)
- 1 3. (Previously presented) The method of claim 1 further comprising the steps of:
 - 2 (f) operating the interactive control software object to provide the interactive
3 graphical human-machine interface on the handheld portable computing
4 device; and
 - 5 (g) transmitting process control information between the computer and the
6 handheld portable computing device.

1 4. (Canceled).

1 5. (Previously presented) The method of claim 1 wherein step (c) comprises generating
2 on the computer the interactive control software object which is processor-
3 independent; and wherein step (c) further comprises providing a run-time engine
4 specific to a selected processor present on the handheld portable computing device.

1 6-7. (Canceled).

1 8. (Previously presented) A computer program recorded on a machine-readable medium,
2 comprising:

3 (a) a module that operates on a computer to allow a user of the computer to
4 generate an interactive control software object that provides an interactive
5 graphical human-machine interface when operating on a handheld portable
6 computing device to allow control of at least one parameter of a process by
7 use of the handheld portable computing device, the computer using a first
8 operating system and the handheld portable computing device using a second
9 operating system having less capability than the first operating system;

10 (b) a module that operates on the computer to simulate the operation of the
11 interactive control software object on the handheld portable computing
12 device; and

13 (c) a module that operates on the computer to transfer the interactive control
14 software object from the computer to the handheld portable computing
15 device.

1 9. (Previously presented) The computer program of claim 8, further comprising:

2 (d) a module that operates on the computer to transfer, between the computer and
3 the handheld portable computing device, information related to the operation
4 of the process.

1 10. (Canceled).

1 11. (Previously presented) The computer program of claim 8 wherein the interactive
2 control software object comprises a processor-independent interactive graphical
3 human-machine interface object and a run-time engine specific to a selected
4 processor.

1 12-13. (Canceled).

1 14. (Previously presented) A method of controlling process, comprising the steps of:

2 (a) providing a computer using a first operating system;

3 (b) providing a handheld portable computing device in communication with the
4 computer, the handheld portable computing device using a second operating
5 system that is less capable than the first operating system;

6 (c) providing an interactive control software object that provides an interactive
7 graphical human-machine interface when operating on the handheld portable
8 computing device, the software object generated on the computer;

9 (d) operating the interactive control software object on the handheld portable
10 computing device to provide the interactive graphical human-machine interface on
11 the handheld portable computing device; and

12 (e) exchanging information between the computer and the handheld portable
13 computing device, to control at least one parameter of the process by use of the

14 interactive human-machine interface provided by operation of the object on the
15 handheld portable computing device.

1 15. (Previously presented) The method of claim 14 wherein step (d) comprises operating
2 the interactive control software object on the handheld portable computing device to
3 display both graphical information and alphanumeric information.

4 16-17. (Canceled).

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